

FIG. 1 - Prior Art

$$C_{\text{eff}} \cdot V(T) = \sum_{k=1}^{N} C_k \cdot V_k(T) \qquad \text{Eq. 1}$$

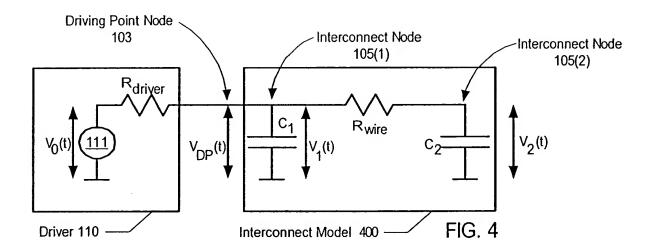
$$V_0(t) \downarrow \qquad \qquad V_0(t) \downarrow \qquad \qquad C_{\text{eff}} \perp$$

FIG. 2 - Prior Art

$$C_{\text{eff}} = \sum_{k=1}^{N} C_k \cdot \frac{V_k(T)}{V_{DP}(T)}$$
 Eq. 2

FIG. 3

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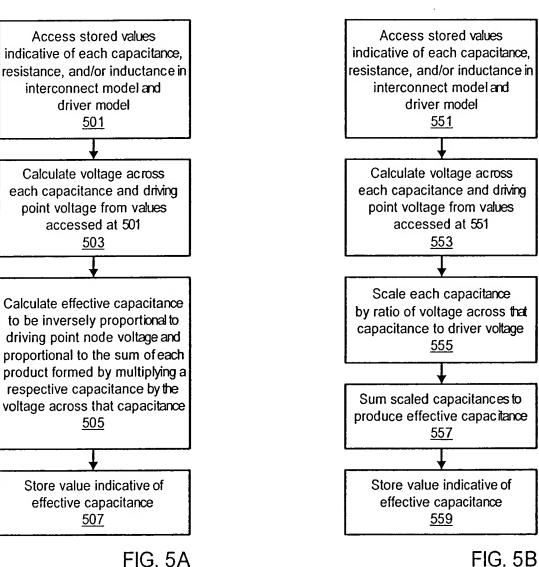
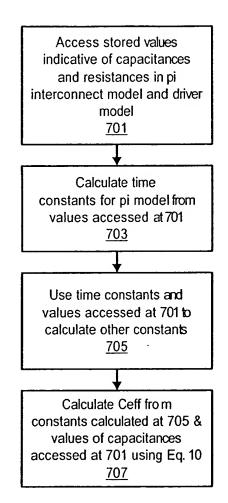
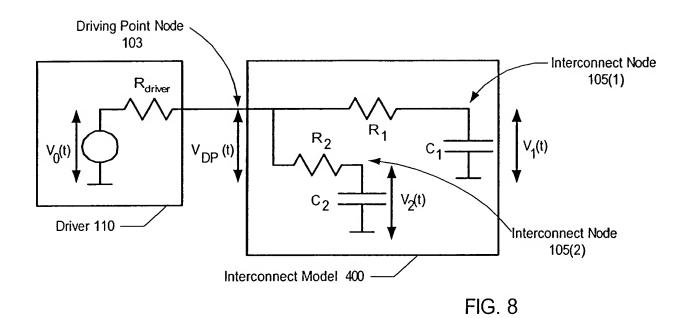


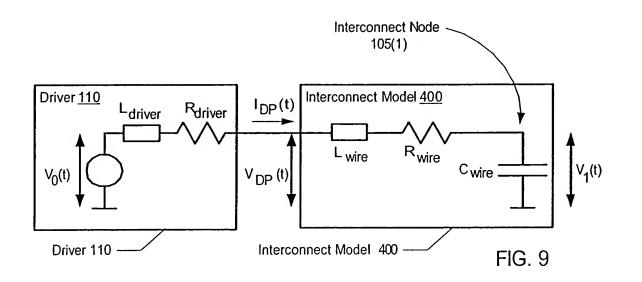
FIG. 5B

$$\begin{split} &\text{Eqs. 3} \quad \mathsf{T}_{11} = \mathsf{Rdrher} \cdot \mathsf{C1} \qquad \mathsf{T}_{12} = \mathsf{Rdrher} \cdot \mathsf{C2} \qquad \mathsf{T}_{22} = \mathsf{Rwire} \cdot \mathsf{C2} \\ &\text{Eqs. 4} \quad \mathsf{Terrore} = \mathsf{T}_{11} + \mathsf{T}_{12} + \mathsf{T}_{22} \qquad \mathsf{T}_{\mathsf{Root}} = \sqrt{\mathsf{TErrore}} \cdot \mathsf{4} \cdot \mathsf{T}_{11} \cdot \mathsf{T}_{22} \\ &\text{Eqs. 5} \quad \mathsf{S}_{12} = \frac{\pm \mathsf{T}_{\mathsf{Root}} - \mathsf{TErrore}}{2 \cdot \mathsf{T}_{11} \cdot \mathsf{T}_{22}} \\ &\text{Eqs. 6} \quad \tau_{1}^{1} = -\frac{1}{\mathsf{TRoot}} \cdot \mathsf{S}_{1}^{2} \qquad \tau_{2}^{1} = \frac{1 + \mathsf{S}_{2} \cdot \mathsf{T}_{22}}{\mathsf{TRoot} \cdot \mathsf{S}_{2}^{2}} \\ &\tau_{1}^{2} = -\frac{1}{\mathsf{TRoot}} \cdot \mathsf{S}_{1}^{2} \qquad \tau_{2}^{2} = \frac{1}{\mathsf{TRoot}} \cdot \mathsf{S}_{2}^{2} \\ &\text{Eqs. 7} \quad \mathcal{V}_{1}(t) = \begin{bmatrix} 0 & t < 0 \\ \frac{1}{T} \cdot (t + \tau_{1}^{1}(1 - \exp(s_{1}t)) + \tau_{2}^{1}(1 - \exp(s_{2}t))) & 0 \le t \le T \\ 1 + \frac{1}{T} \cdot (\tau_{1}^{1}(1 - \exp(s_{1}T)) \exp(s_{1}(t - T)) + \tau_{2}^{1}(1 - \exp(s_{2}t)) \exp(s_{2}(t - T))) & T < t \end{bmatrix} \\ &\mathcal{V}_{2}(t) = \begin{bmatrix} 0 & t < 0 \\ \frac{1}{T} \cdot (t + \tau_{1}^{2}(1 - \exp(s_{1}t)) + \tau_{2}^{2}(1 - \exp(s_{2}t))) & 0 \le t \le T \\ 1 + \frac{1}{T} \cdot (\tau_{1}^{2}(1 - \exp(s_{1}T)) \exp(s_{1}(t - T)) + \tau_{2}^{2}(1 - \exp(s_{2}t)) \exp(s_{2}(t - T))) & T < t \end{bmatrix} \\ &\text{Eq. 8} \quad \mathcal{C}eff = C1 + C2 \cdot \frac{\mathcal{V}_{2}(T)}{\mathcal{V}_{1}(T)} \end{aligned}$$

 $Ceff = C1 + C2 \cdot \frac{T + \tau_1^2 (1 - \exp(s_1 T)) + \tau_2^2 (1 - \exp(s_2 T))}{T + \tau_1^1 (1 - \exp(s_1 T)) + \tau_2^1 (1 - \exp(s_2 T))}$







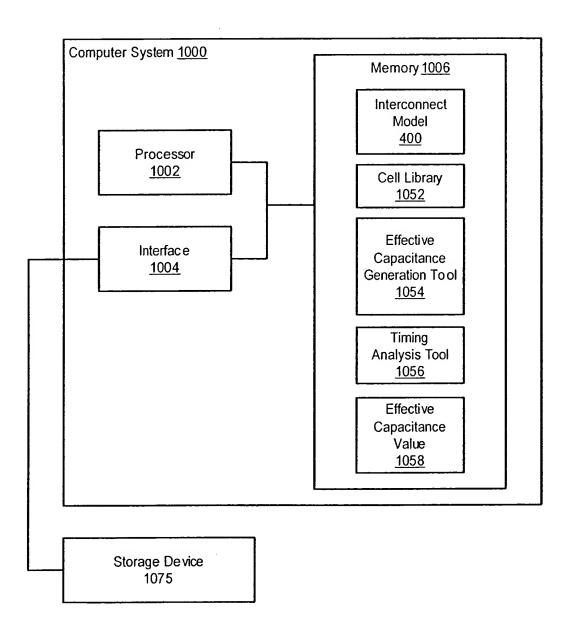


FIG. 10